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U. S. PATENT OFFICE
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DIVISION VII

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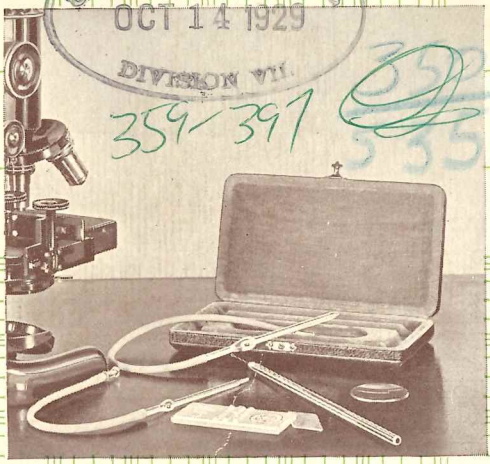


Cover glass supports beveled

Since You are a Physician

359/397

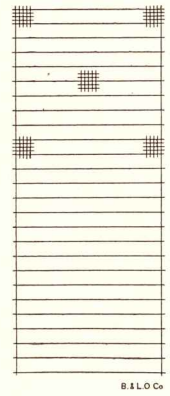
Now You Can Count Corpuscles Accurately

HOW important a part of your professional equipment is your Blood Counting Apparatus? Is it important enough so that you demand the greatest accuracy in your counting chamber and pipettes? Do you consider convenience, utility and simplicity of design to be valuable assets? Are you content with any but the finest and most precise?

Consider, then, the Bausch & Lomb Haemacytometer.

B & L Haemacytometers are provided with Burker type counting chambers of one piece construction. No part can ever become loosened and lost. This construction also makes the chamber easy to clean.

United States Bureau of Standards requirements are strictly adhered to. This is Bausch & Lomb's guarantee. You can be sure that all B & L counting chambers are accurate; though, if you prefer, a Bureau of Standards Certificate will be supplied at an extra cost.



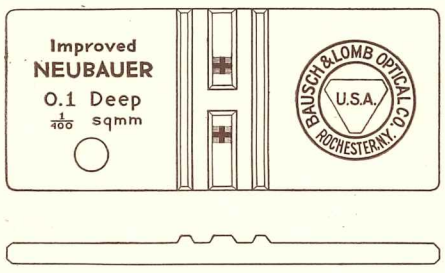
Bass-Johns Ruling

The Neubauer chamber is supplied with either single or double rulings. With the double ruling you can count both red and white corpuscles without cleaning and refilling the counting chamber. A moat is cut in the slide between the two rulings to separate them and to prevent the specimens from running together.

The slide is so constructed that the cover glass supports are raised above the body of the slide. The edges are bevelled so that the cover glass can be tilted over a drop of blood placed upon the ruling, in case you desire to use that technique instead of introducing the specimen by capillary action. The construction of the Neubauer slide is clearly shown in the illustration at the bottom of the page.

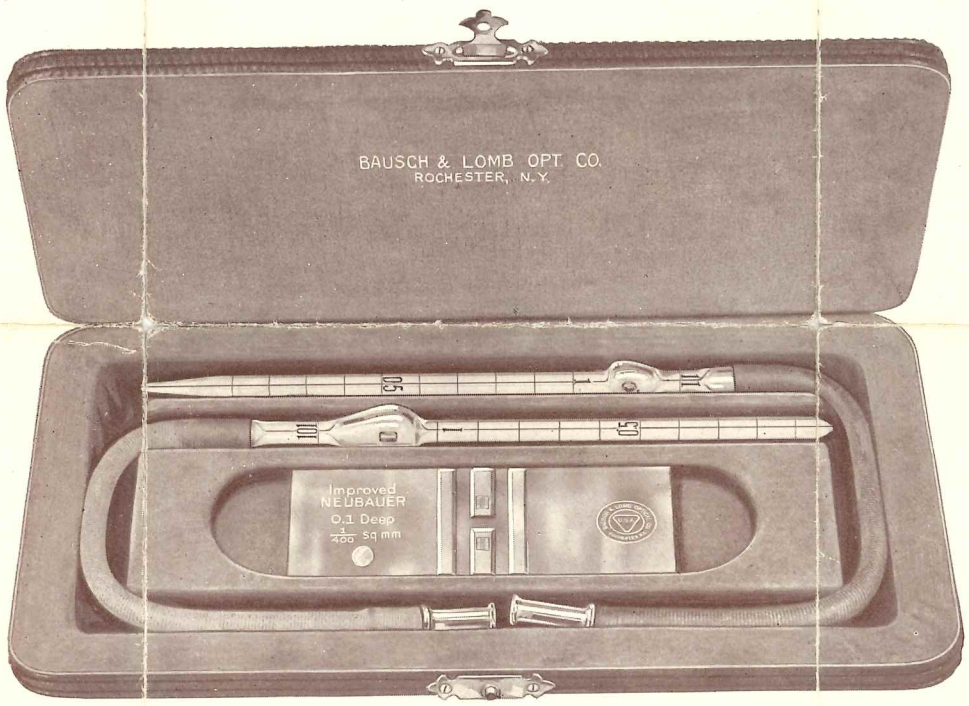
The Bass-Johns ruling, shown at top, is designed for making red and white corpuscle counts in a single ruled area.

For cerebro-spinal fluids we offer the Fuchs-Rosenthal ruling, which has a depth of 0.2 mm. If you require a counting chamber with such rulings as Turk, Thoma, etc., we will supply them upon special order.



Improved Neubauer Slide

Each chamber is supplied with two cover glasses having optically worked surfaces to insure perfect contact with the cover glass supports.



The Mixing Pipettes

Two pipettes are furnished with each Bausch & Lomb Haemacytometer, one for red and one for white corpuscles. They are constructed accurately and conform strictly to Bureau of Standards specifications. A Bureau of Standards certification can be had for a small fee. The bulb, or mixing chamber, is provided with a suitable bead for mixing the blood and diluting fluid. The tips are of the correct shape. Each pipette is supplied with a rubber tube of the correct length, and a glass mouthpiece.

Cover Glasses

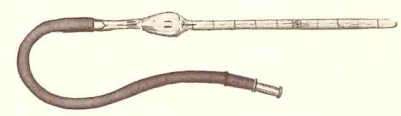
It is very important that the cover glass be optically correct and precisely ground to afford perfect contact with the cover glass supports. Otherwise the depth of the counting chamber will be incorrect. All B & L counting chamber cover glasses are free from imperfections in the glass and are optically worked so that both surfaces are plane.

The Complete Haemacytometer

The Bausch & Lomb complete Haemacytometer consists of any one of the counting chambers indicated, two mixing pipettes, one for red and one for white corpuscles, two cover glasses and a case. Any of these parts can be purchased separately. Counting chambers purchased individually are furnished with two cover glasses but without case. A case is available at an extra cost if you require one.

The Haemacytometer may be had in either a leather covered wooden case of standard size or a small aluminum case. Both have distinct advantages. The leather case is plush lined and of good appearance.

The aluminum case is small, light and sanitary. You can sterilize it if you wish. Clamps are furnished to hold the pipettes and counting chamber in place. A space is provided, in both cases, beneath the counting chamber to hold the cover glasses. You may have either case you desire at no extra cost.



Thoma Pipette for Red Corpuscles

Thoma Pipette for White Corpuscles

Price List is on the back of this page.

You will like the B&L Haemacytometer because:

1. The rulings are highly visible when the slide is under the microscope.

2. The cover glass supports are polished to give optical contact with the cover glass and to insure an accurate depth of 0.1 mm between cover glass and ruling.

3. The specimen can be introduced by capillary attraction, providing an even distribution over the entire chamber; or,

4. If you desire to place the blood in a drop upon the ruling, the cover glass may be tilted down on it, since the cover glass supports are raised and beveled to permit using this technique.

5. The entire counting chamber is made in one piece. This means that no part can ever become loosened.

6. You have your choice of either a leather covered or a sanitary aluminum case.

United States Bureau of Standards Specifications for Haemacytometers

(*a*) Glass used in the counting chamber shall have no defects visible beneath the ruled area.

(*b*) The error in the depth of the chamber measured from the plane of the supporting surfaces for the cover glass to the ruled area shall not exceed plus or minus two per cent (± 0.002 mm).

(*c*) The error in the length of any side of the central millimeter ruling shall not exceed plus or minus one per cent (± 0.01 mm).

(*d*) The graduations which subdivide the one millimeter square or squares shall be so spaced that none of the small squares or rectangles so formed has any side in error by more than ± 0.005 mm.

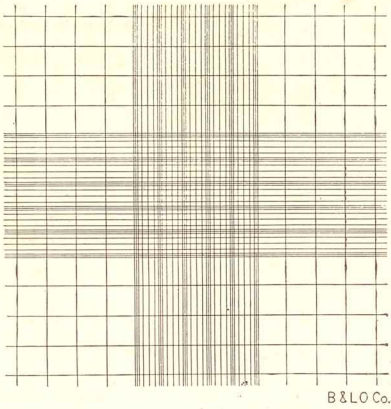
(*e*) Cover glasses shall be free from visible defects and shall be plane on one side within 0.002 mm.

All Bausch & Lomb counting chambers conform strictly to these specifications. If you wish, a Bureau of Standards certificate will be furnished at an extra cost.

Price List

Cat.No.	Specifications	Price
	Haemacytometers, complete in case, consisting of one of the following counting chambers, mixing pipettes for both red and white corpuscles and two cover glasses:	
3522	Neubauer Ruling	$11.50
3524	Double Neubauer Ruling	14.00
3527	Bass-Johns Ruling (improved form; one pipette only, 1:100)	14.50
	Counting Chambers, with two cover glasses; without case:	
3548	Neubauer	6.00
3568	Double Neubauer	8.50
3565	Bass-Johns (improved form)	10.00
3562	Fuchs-Rosenthal	6.00
3570	**Thoma Mixing Pipettes** for red corpuscles for dilutions in the ratio of 1:100 with rubber tube and glass mouthpiece	1.25
3572	**Thoma Mixing Pipettes** for white corpuscles for dilutions in the ratio of 1:10 with rubber tube and glass mouthpiece	1.25
3574	**Rieder Mixing Pipettes** for white corpuscles for dilutions in the ratio of 1:20 with rubber tube and glass mouthpiece	3.00
3595	**Cover Glasses;** plane and polished 20 × 21 mm, approximately 0:4 mm thick, each	.50
3591	20 × 26 mm, approximately 0:4 mm thick, each	.50
3580	**Case for Counting Chamber** only	1.50
3585	**Aluminum Case for Complete Haemacytometer**	3.00
3584	**Leather Covered Case,** plush lined, for **Complete Haemacytometer**	3.00

B & L Improved Neubauer Ruling



THE central mm square in the above ruling is divided into 25 smaller squares which, in turn, are composed of 16 squares measuring 1/400 sq. mm. Each group of 16 squares has a triple boundary line, the middle line of which is the real border line of the outer squares of each group.

beveled cover glass supports

D116, I—29 Printed in U. S. A.